THREE AXIS PORTIONING METHOD

Abstract of the Disclosure

The present invention discloses a method for portioning foodstuffs in three dimensions. A step in portioning according to the present invention includes scanning the foodstuff to be portion. Followed by a step of generating a three dimensional map of the foodstuff. Followed by a step of comparing the generated three dimensional map of the foodstuff with the desired shape which is stored in the memory of a computer. The computer will then be able to determine the particular cutting path in three dimensions in order to arrive at the predetermined shape. Followed by a step of cutting in one direction to fix at least one dimension of the foodstuff. Followed by a step of determining whether the foodstuff is within the tolerance limits or whether the foodstuff portion has moved during the first cutting operation. If the foodstuff portion has moved, the foodstuff will be rescanned. Followed by a step of generating a two dimensional image of the foodstuff. Followed by a step of determining the cutting path to cut the foodstuff along two dimensions. Followed by a step of cutting the foodstuff to arrive at a portion trimmed along three dimensions.